Amendments to the claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-12. (*cancelled*)

13.   (*currently amended*) A method for the detection of thyroid stimulating hormone (TSH) receptor autoantibodies in a biological sample comprising:

a)   contacting said biological sample with TSH receptor (TSHr) that is immobilized on a solid support in the presence of labeled ~~affinity-purified~~ polyclonal human autoantibodies against the TSH receptor that have been affinity purified using TSHr for a time sufficient for the autoantibodies in the biological sample to competitively bind to the TSH receptor;

b)   removing unbound labeled TSH receptor autoantibodies; and

c)   detecting TSH receptor autoantibodies in the biological sample by measuring the amount of label bound to the TSH receptor.

14.   (*previously presented*) The method of claim 13, wherein the affinity-purified polyclonal human autoantibodies against the TSH receptor are purified to biochemical homogeneity and have a specific activity of at least 1 IU/mg of protein.

15.   (*previously presented*) The method of claim 13, wherein the affinity-purified polyclonal human autoantibodies against the TSH receptor are obtained by purification by affinity chromatography, from a pool of sera of Graves' disease patients, wherein said autoantibodies are bound to an affinity material having a functional human recombinant TSH receptor bound thereto, washed to remove unbound autoantibodies and then eluted from the affinity material.